

HINTERMANN SERIES

TOTAL ANKLE REPLACEMENT

VILEX H2

VILEX



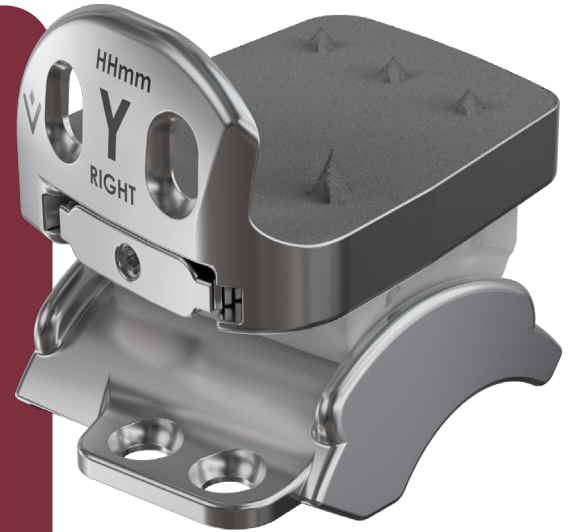
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The **Hintermann Series H2®** Total Ankle Replacement System is intended to replace the ankle joint. The prosthesis is a semi-constrained design that resurfaces the tibia and talus by minimal bone resection, incorporates a constrained inlay, and integrates adjustable inlay orientation relative to the tibial axis.

The system includes the following implantable components: Hintermann Series H2® tibial assembly, Hintermann Series H2® vitamin E polyethylene (PE) inlay assembly, and Hintermann Series® talar component.

The anatomical shape of the unique design of the Hintermann Series H2® Total Ankle Replacement Prosthesis is designed to provide:

- High intrinsic stability
- Low contact stresses to the bone
- Low ligament stress
- Minimized wear



Sizes: 1, 2, 3, 4, 5
Thickness Options: 7mm & 12mm

TIBIAL COMPONENT

- Anatomical shape for minimized contact stress to the bone
- Minimal bone resection required
- Low profile anterior shield designed to provide rotational stability of tibial component and prevent scarring and bone formation that may hinder joint motion
- Titanium peaks designed for anchoring in subchondral bone toward increasing stability in translation and rotation
- Ti Plasma spray coating



Sizes: 0, 1, 2, 3, 4, 5
Thickness Options: 5mm, 6mm, 7mm, 9mm
Offset Options: Neutral, Anterior

POLY (PE) INLAY

- High congruency with the metal surfaces of both tibial and talar components
- Free sagittal plane motion on conically-shaped talar surface
- Large contact area with both tibial and talar components designed to provide:
 - Low contact stresses
 - Minimal wear
 - Intrinsic stability against eversion-inversion forces
 - X-ray Markers (Titanium Alloy Ti6Al4V)



STANDARD

Sizes: 0, 1, 2, 3, 4, 5

TALAR COMPONENT

- Anatomical shape (conical surface) designed:
 - To allow physiological talar motion
 - To minimize medial ligament stress
- Minimal bone resection required
- Anterior pegs designed to improve sagittal stability and positioning
- Medial and lateral rims designed to guide movement of the PE inlay
- Anterior shield designed to prevent ingrowth of osteophyte
- US Market: Ti Plasma spray coating
- OUS Market: Ti / HaP spray coating



FLAT-CUT

Sizes: 1, 2, 3, 4, 5